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## A new species of *Anisostena* (*Anisostena*) from Colombia (Coleoptera: Chrysomelidae: Cassidinae)

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ABSTRACT. *Anisostena* (*Anisostena*) *warchalowskii* STAINES, new species, is described from Colombia. The species is illustrated and a revised key to the species of the *nigrita*-species group is presented.

Key words: entomology, taxonomy, Coleoptera, Chrysomelidae, Cassidinae, *Anisostena*, new species, Colombia.

### INTRODUCTION

The genus *Anisostena* WEISE 1910 contains 25 described species and is found from Canada to Argentina (STAINES 2002). The genus was revised by STAINES (1993, 1994a, b, c) and keys to the species were provided.

In a box lot of material collected during the Colombian Arthropod Project (<http://www.uky.edu/%7Emjsharo/colombia>) the following new species was discovered. Only three species of *Anisostena* are known from Colombia: *A. bellula* (BALY) which has a red pronotum, *A. promta fasciata* MAULIK and *A. promta promta* WEISE which are vittate (STAINES 1994a, b). *Anisostena pilatei* (BALY) is known from Panama and *A. vittata* STAINES is known from Ecuador but both species are also vittate.

For this study, measurements were taken with an ocular micrometer. Pronotal length and width were measured along the midlines. Elytral width was measured at the humeri. Elytral length was measured from the base to the apex along the midline. Total length was measured from the base of the antennae to the apex of the elytra. In recording label data from type specimens, a slash (/) separates data on different labels; brackets ([ ]) include explanatory or label color information.

*Anisostena (Anisostena) warchalowskii* STAINES, new species

Figure 1

## TYPE MATERIAL

**Holotype** (♀): Colombia, Cuaca, PNN Gorgona Mancora, 2°58'N 78°11'W, 60 m, Red [sweeping], 2.iii.2000, D. Campos Leg., M.3603/ Holotype *Anisostena warchalowskii* Staines 2007 [red label] (IVAH).

## DESCRIPTION

Small; blue-black; shining; elytra with interspace 3 reddish for basal  $\frac{1}{4}$  (only visible under intense light). Head: vertex alutaceous, with a few fine punctures between eyes; faint medial fovea with faint medial sulcus; interantennal keel extends onto head; sulcus on inner margin of each eye; frons slightly projecting; clypeus punctate, with row of setae on apex. Antenna: antennomere I subglobose, with scattered punctures, more shining than others; II subequal in length to I, cylindrical; III cylindrical, 1.25 times length of II; IV-VI transverse, IV longer than V or VI, VI-VI subequal in length; VII-X transverse, subequal in length, wider than preceding; XI obliquely pointed at apex, longer than X; II-VI punctate with setae; VII-XI setose. Pronotum: lateral margin divergent for basal  $\frac{2}{3}$ , then rounded and convergent to apex; anterior angle with small rounded tooth; posterior angle acute, pointed; convex; densely coarsely punctate laterally and basally; disc and anterior margin sparsely coarsely punctate; transverse basal impression present; pronotal length 0.7 mm; pronotal width 0.9 mm. Scutellum: quadrate; punctate. Elytron: lateral margin dentate; exterior apical angle rounded, dentate; apical margin finely serrate; humerus rounded, produced; punctures in regular rows; interspaces 2, 4, and 6 costate, interspace 6 most produced; elytral

1. Habitus of *Anisostena warchalowskii*

## ETYMOLOGY

## COMPARATIVE NOTES

## DISTRIBUTION

Colombia.

## HOST PLANTS

Unknown.

AMENDED KEY TO THE SPECIES OF THE *NIGRITA*-SPECIES GROUP

- |       |  |   |
|-------|--|---|
| 1(0). | Mesofemur serrate on inner margin .....                                  | 4.  |
|       | Mesofemur not serrate on inner margin .....                              | 2.  |
| 2(1). | Frons projecting; pronotum with basal impression .....                   | 3.  |
|       | Frons not projecting; pronotum without basal impression .....            | <i>nunenmacheri</i> (WEISE)               |
| 3(2). | Lateral margins of elytra serrate; antennomeres I-VI punctate .....      |   |
|       | .....  | <i>warchalowskii</i> STAINES, new species |
|       | Lateral margins of elytra smooth; antennomeres I-VI glabrous .....       |   |
|       | .....  | <i>funesta</i> (BALY)                     |
| 4(1). | Frons projecting .....   | <i>perspicua</i> (HORN)                   |
|       | Frons not projecting .....   | 5.  |
| 5(4). | Pronotum without basal impression; anterior angle without tooth .....    | 6.  |
|       | Pronotum with basal impression; anterior angle with tooth .....          |   |
|       | .....  | <i>californica</i> VAN DYKE               |
| 6(5). | Vertex of head with scattered punctures .....                            | 7.  |
|       | Vertex of head with row of punctures on each side of medial sulcus ..... |   |
|       | .....  | <i>cyanea</i> STAINES                     |

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